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Number of pages including cover sheet: 14

IDS for 10/710,882

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hall, et al.

Serial No.: 10/710,882

Filed: August 10, 2004

For: Apparatus for Fixing Latency

Art Unit: 2661

Examiner:

Docket No.: 66.0067

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January 16, 2006

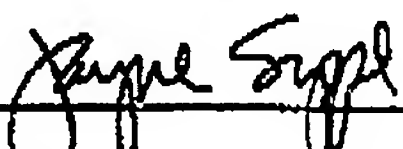
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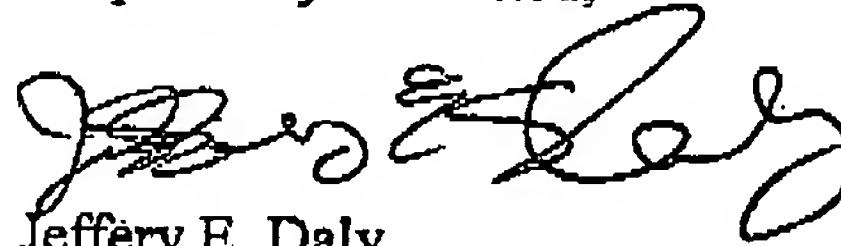
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UNDER 37 C.F.R. §§ 1.97 and 1.98**

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on the attached Form PTO/SB/08A be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.97(g), this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined 37 C.F.R. § 1.56(b) exists. Furthermore, pursuant to 37 C.F.R. § 1.97(h), the filing of this statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

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Respectfully submitted,



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STATEMENT BY APPLICANT

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Sheet 1 of 5

Application Number	10/710,882
Filing Date	8/10/2004
First Named Inventor	Hall, et al.
Art Unit	2661
Examiner Name	
Attorney Docket Number	68,0067

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,392,317 B1	5/21/2002	Hall, David R., et al	
		US- 6,670,880 B1	12/30/2003	Hall, David R., et al	
		US- 6,717,501 B2	4/6/2004	Hall, David R., et al	
		US- 6,888,473 B1	6/3/2005	Hall, David R., et al	
		US- 6,799,632 B2	10/5/2004	Hall, David R., et al	
		US- 6,844,498 B2	1/16/2005	Hall, David R., et al	
		US- 6,830,467 B2	12/14/2004	Hall, David R., et al	
		US- 6,913,093 B2	7/5/2005	Hall, David R., et al	
		US- 6,821,147 B1	11/23/2004	Hall, David R., et al	
		US- 6,929,493 B2	8/16/2005	Hall, David R., et al	
		US- 6,945,802 B2	9/20/2005	Hall, David R., et al	
		US- 20050236160 A1	10/27/2005	Hall, David R., et al	
		US- 20050212530 A1	9/29/2005	Hall, David R., et al	
		US- 20050173128 A1	8/11/2005	Hall, David R., et al	
		US- 20050161215 A1	7/28/2005	Hall, David R., et al	
		US- 20050150653 A1	7/14/2005	Hall, David R., et al	
		US- 20050145406 A1	7/7/2005	Hall, David R., et al	
		US- 20050115717 A1	7/2/2005	Hall, David R., et al	
		US- 20050001735 A1	1/6/2005	Hall, David R., et al	

FOREIGN PATENT DOCUMENTS

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Sheet 2 of 5

Application Number	10/710,882
Filing Date	8/10/2004
First Named Inventor	Hall, et al.
Art Unit	2861
Examiner Name	
Attorney Docket Number	68.0087

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US- 20050095827 A1	5/5/2005	Hall, David R., et al	
		US- 20050093296 A1	6/5/2005	Hall, David R., et al	
		US- 20050092499 A1	5/5/2005	Hall, David R., et al	
		US- 20050082092 A1	4/21/2005	Hall, David R., et al	
		US- 20050001738A1	1/5/2005	Hall, David R., et al	
		US- 20050070144 A1	3/31/2005	Hall, David R., et al	
		US- 20050067169 A1	3/31/2005	Hall, David R., et al	
		US- 20050046590 A1	3/3/2005	Hall, David R., et al	
		US- 20050046586 A1	3/3/2005	Hall, David R., et al	
		US- 20050045339 A1	3/3/2005	Hall, David R., et al	
		US- 20050039912 A1	2/24/2005	Hall, David R., et al	
		US- 20050036507 A1	2/17/2005	Hall, David R., et al	
		US- 20050036876 A1	2/17/2005	Hall, David R., et al	
		US- 20050036875 A1	2/17/2005	Hall, David R., et al	
		US- 20050035874 A1	2/17/2005	Hall, David R., et al	
		US- 20050001738 A1	1/5/2005	Hall, David R., et al	
		US- 20040246142 A1	12/9/2004	Hall, David R., et al	
		US- 20040244964A1	12/9/2004	Hall, David R., et al	
		US- 20040244918A1	12/9/2004	Hall, David R., et al	

FOREIGN PATENT DOCUMENTS

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Sheet 3 of 5

Application Number	10/710,882
Filing Date	8/10/2004
First Named Inventor	Hall, et al.
Art Unit	2661
Examiner Name	
Attorney Docket Number	66.0067

U. S. PATENT DOCUMENTS					
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		Number-Kind Code ² (If known)			
		US- 20040216847 A1	11/4/2004	Hall, David R., et al	
		US- 20040184838 A1	8/26/2004	Hall, David R., et al	
		US- 20040184833 A1	8/26/2004	Hall, David R., et al	
		US- 20040150532 A1	8/6/2004	Hall, David R., et al	
		US- 20040145492 A1	7/29/2004	Hall, David R., et al	
		US- 20040113808 A1	6/17/2004	Hall, David R., et al	
		US- 20040104797 A1	6/3/2004	Hall, David R., et al	
		US- 4,739,325	4/19/1988	MacLeod	
		US- 6,012,015	1/4/2000	Tubel	
		US- 6,252,518 B1	6/26/2001	Laborde	
		US- 2,414,719	1/21/1947	Cloud	
		US- 3,518,608	6/30/1970	Papadopoulos	
		US- 4,788,544	11/29/1988	Howard	
		US- 6,866,306 B2	3/16/2005	Boyle, et al	
		US- 6,688,396 B2	2/10/2004	Floerke et al	
		US- 6,968,611 B2	11/29/2005	Hall et al	
		US- 20050279508 A1	12/22/2005	Hall et al	
		US- 20050284659 A1	12/29/2005	Hall et al	
		US- 20050284662 A1	12/29/2005	Hall et al	

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Sheet 4

of 5

Application Number	10/710,882
Filing Date	8/10/2004
First Named Inventor	Hall, et al.
Art Unit	2661
Examiner Name	
Attorney Docket Number	66.0067

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US- 2004/0039466 A1	2/26/2004	Lilly et al.	
		US- 20050284663 A1	12/29/2005	Hall et al	
		US- 20050285645 A1	12/29/2005	Hall et al	
		US- 20050285705 A1	12/29/2005	Hall et al	
		US- 20050285706 A1	12/29/2005	Hall et al	
		US- 20050285751 A1	12/29/2005	Hall et al	
		US- 20050285752 A1	12/29/2005	Hall et al	
		US- 20050285754 A1	12/29/2005	Hall et al	
		US- 6,654,834 B1	11/25/2003	Robertson, et al	
		US- 6,580,720 B1	6/17/2003	Francis et al	
		US- 6,073,053	6/6/2000	Dummermuth	
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		Application Number	10/710,882
		Filing Date	8/10/2004
		First Named Inventor	Hall, et al.
		Art Unit	2661
		Examiner Name	
Sheet 5	of 5	Attorney Docket Number	66.0067

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